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MAMAYEVA, L. Ya

CA

Limits of toxicity of salts in the Pakhta-Aral (Golodnaya Steppe) soils for alfalfa and cotton plants. V. A. Kovda and L. Ya. Mamayeva. *Ecology (U. S. S. R.)* 1970, No. 11, 10-18, 14 figs., 1 table. *Russian*. *Abstract* 1971, No. 11, 10-18, 14 figs., 1 table. and M. detid. the composition of the soils in aquifers and calculated the conditional concentration of ions per 1 of the soil liquid from the wt. percentage of the solid residue, from the character of the ions and from the moisture content of the soils at the time of sampling. The conditional concentration is a definite water salt coeff. that detcs. the character of the growth of plants. The analytical results are tabulated. Large amounts of salts have a harmful effect on the plants. W. R. Hunt

45W 55.4 METALLURGICAL LITERATURE CLASSIFICATION

12

GUTHERMAN, I.G.; DONAYEVA, S.I.; MAMAYEVA, L.V.

Applicability of the method of differences in aeroclimatological study
of the wind. Trudy TSNIGMA no.2:46-69 '55. (MIRA 9:7)
(Winds)

MAMAYEVA, L.

An urgent problem. Okhr.truda i sots.strakh. 3 no.2:45
F '60. (MIRA 13:6)

1. Doverennyy vrach Orlovskogo oblsovprofa.
(Orlov Province--Industrial hygiene)

MAMAYEVA, L.

We struggle with combined forces. Okhr.truda i sots.strakh.
no.12:35-37 D '59. (MIRA 13:4)

1. Doverennyy vrach Orlovskogo sovprofa.

(OREL--INFLUENZA)

(OREL--LABOR AND LABORING CLASSES--MEDICAL CARE)

MAMAYEVA, Kh.P.

Gall gnats (Diptera, Itonididae) developing in the colonies of aphids. Ent.oboz. 43 no.2:447-457.164. (MIRA 17:9)

1. Kafedra zoologii i darvinizma Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni Lenina, Moskva.

MAMAYEVA, Kh.P.

New and little-known gall midges (Diptera Itonididae) in Moscow Province. Zool. zhur. 43 no.2:206-213 '64. (MIRA 17:6)

1. Kafedra zoologii i darvinizma Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni V.I. Lenina.

MAMAYEVA, Kh.F.

Quantitative characteristics of gall gnats developing in galls
on herbaceous plants. Nauch. dokl. vys. shkoly; biol. nauki
no.4:20-24 '64. (MIRA 17:12)

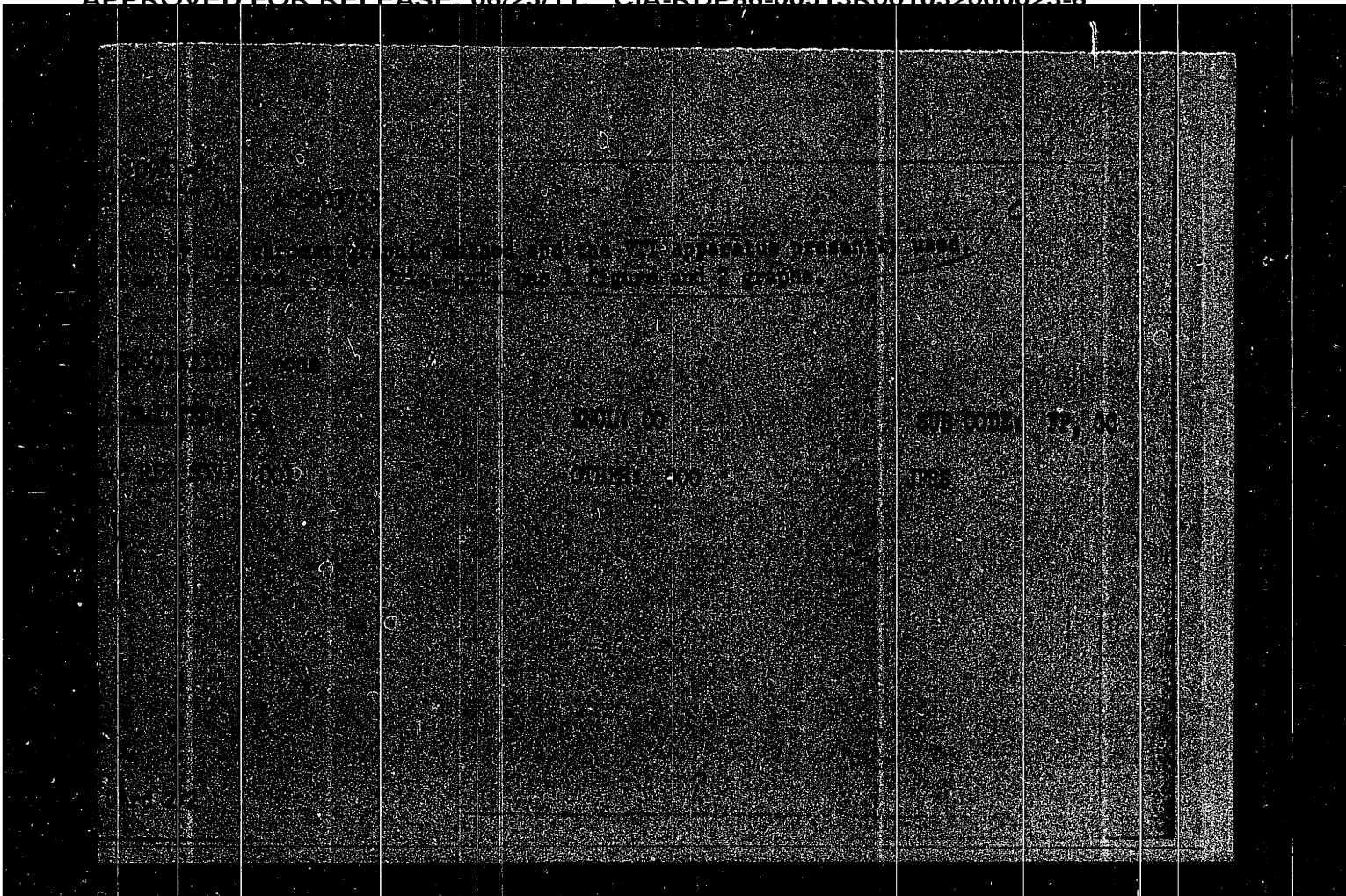
1. Rekomendovana kafedroy zoologii i darvinizma Moskovskogo
gosudarstvennogo pedagogicheskogo instituta im. V.I. Lenina.

LAPTEV, Yu.P., starshiy nauchnyy storudnik; ASSAUL, B.D.; KOVALEV, N.V., kand. sel'skokhoz. nauk; ZAKHAROVA, T.I., mladshiy nauchnyy sotrudnik; MAMAYEVA, Kh.P.; DUBINEVICH, B.N., starshiy nauchnyy sotrudnik

Brief information. Zashch. rast. ot vred. i bol. 9 no.9:54-56 '64.
(MIRA 17:11)

1. Zaveduyushchiy laboratoriyey fitopatologii Vinnitskoy oblasti (for Assaul). 2. Maykopskaya opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta rasteniyevodstva (for Kovalev). 3. Vsesoyuznyy institut zashchity rasteniy (for Zakharova). 4. Moskovskiy pedagogicheskii institut imeni V.I. Lenina (for Mamayeva). 5. Mironovskaya selektsionnaya stantsiya (for Dubinevich).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000023-6



3/0045/01/000/000/001/0001

Method for determining hydrogen content

Hydrogen in organic compounds hydrous gas

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

Method for determining hydrogen content

KOLBIN, M.A.; MAMAYEVA, K.N.; KHABIROV, F.R.

Determining C_{2-5} hydrocarbons in gasolines by gas-liquid chromatography. Nefteper. i neftekhim. no. 4:18-21 '64.
(MIRA 17:5)

1. Novo-Ufimskiy neftepererabatyvayushchiy zavod.

MAMAYEVA, K.

Indissoluble alliance of workers and collective farmers. Vestis
Latv ak no.7:9-24 '62.

83296
S/135/59/000/010/008/010
A051/A029

U-1-2-10, A. Ye.; Tsvetkov, A. A.; Manoyeva, A. A.; Prakhovskaya, A. A.
A. S.; Levitskiy, I. A.; Shadrin, A. A.; Manoyeva, A. A.

5075

Keywords

Card 1/2

Card 2/2

MAMAYEVA, G.B.

Some characteristics of linear growth of the skeleton in silver
foxes. Zool. zhur. 40 no.10:1557-1564 0 '61. (MIRA 14:9)

1. All-Union Research Institute of Animal Raw Material and Pelts,
Kirov, regional.

(Silver fox) (Bones) (Growth)

MAMAYEVA, G.B.

Some characteristics of the growth of silver foxes in the postembryonal
period. Nauch.sob. IAFAN SSSR No.2:68-72 '59. (MIRA 16:3)
(Silver fox) (Veterinary embryology)

MAMAYEVA, G.B.

Effect of feeding on the size of silver foxes. Nauch.sob. IAFAN SSSR
no.2:62-67 '59. (MIRA 16:3)
(Yakutia--Silver fox--Feeding and feeds)

MAMAYEVA, G. B., Candidate of Agric Sci (diss) -- "The effect of keeping and feeding conditions on the growth of young silver-black foxes under the conditions of Yakutia". Moscow-Kuz'minki, 1959. 17 pp (Moscow Vet Acad of the Min Agric USSR), 140 copies (KL, No 20, 1959, 114)

MAMAYEVA, G.

Here efficiency promoters receive assistance. Izobr.i
rats. no.7:29-30 J1 '60. (MIRA 13:8)

1. Nachal'nik Byuro ratsionalizatorov i izobretateley
Pervoural'skogo Novotrubnogo zavoda.
(Pervoural'sk--Pipe mills--Technological innovations)

KARAVAYEV, N. M. (Moskva); VENER, R. A. (Moskva); RUMYANTSEVA, Z. A.
(Moskva); SHEVCHENKO, B. I. (Moskva); MAMAYEVA, A. M. (Moskva)

Effect of slow heating by ancient intrastratal fires on the
composition and properties of Fan Yagnob coal. Izv. AN SSSR.
Otd. tekhn. nauk. Met. i topl. no.6:106-201 N-D '62.
(MIRA 16:1)

(Tajikistan—Coal geology) (Coal—Testing)

KARAVAYEV, N.M.; PEVZNER, Z.I.; MAMAYEVA, A.M.

Oxidation and changeability of Fan-Iagnob coals in pile storage.
Report No. 2. Trudy Inst. khim. AN Tadzh. SSR 3:115-137 '60.
(MIRA 14:12)

(Tajikistan--~~Coal~~--Storage)

KARAVAYEV, N.M.; RUMYANTSEVA, Z.A.; SHEVCHENKO, B.I.; MAMAYEVA, A.M.

Chemical and petrographic composition and properties of the
Fan-Iagnob coals and their relation with the initial conditions
of accumulation and transformation of vegetable material.

Report No. 1: Changes in the chemical and petrographic composition
and properties of the Fan-Iagnob coals in connection with the
strike of strata from the west to the east. Trudy Inst. khim.
AN Tadzh. SSR 3:5-22 '60. (MIRA 14:12)

(Tajikistan---Coal geology)

RUMYANTSEVA, Z.A.; MAMAYEVA, A.M.

Some data on coal from the Kurtekin deposit. Dokl. AN Tadzh.
SSR 2 no.4:19-21 '59. (MIRA 13:4)

1. Institut khimii AN Tadzhikskoy SSR. Predstavleno akademikom
AN Tadzhikskoy SSR A.P. Nedzvetskim.
(Pamirs---Coal)

L 09109-67

ACC NR: AP7002360

of solubility in the solid state, which did not afford a determination of the distribution coefficient in advance. 3

The high efficiency of the process of zone recrystallization of tellurium for removal of copper and silver was demonstrated.

Values of equilibrium distribution coefficients for copper and silver in tellurium were found to be $9.5 \cdot 10^{-3}$ and $2.2 \cdot 10^{-2}$ respectively.

At a zone advance rate of $v=3$ cm/hr and ten passes, the purification of tellurium from lead was marked.

Purification of tellurium from iron, bismuth, and silicon was attained only upon the use of electromagnetic mixing of the melt in the zone with the passage through the inert of direct current of 20 a/cm² density. The analyses were carried out under the direction of N. M. Konyshova. Orig. art. has: 3 figures and 4 tables.

[JPRS: 37,871]

TOPIC TAGS: metal recrystallization, tellurium

SUB CODE: 11 / SUBM DATE: 27Sep65 / ORIG REF: 006 / OTH REF: 006

Card 2/2 nst

L 09109-67 EWT(m)/EWP(t)/ETI/EWP(k) IJP(o) JD
 ACC NR: AP7002360

SOURCE CODE: UR/0363/66/002/007/1180/1185

KRAPUKHIN, V. V., TSOKOV, I. S., and MAMAYEV, Yu. O., Moscow Institute
 of Steel and Alloys (Moskovskiy institut stali i splavov)

23
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"Investigation of the Zone Recrystallization of Tellurium" 27

Moscow, Izvestiya Akademii Nauk SSSR, Neorganicheskiye Materialy, Vol 2, No 7,
 1966, pp 1180-1185

ABSTRACT: The literature lacks adequate data on the choice of the optimal velocity of zone displacement and on the effective coefficients of distribution of most impurities, impeding the selection of the technological regime in the zone recrystallization of tellurium.

In the experimental setup tellurium was placed in a quartz boat 220 mm long and the boat was then placed in a quartz tube surrounded by encircling heating wire. The tube temperature was kept at 350° C, preventing condensation of tellurium on its wall and assuring good appearance of the specimen. Vapor pressure data for tellurium showed that at its melting point of 452° C, considerably volatility can be expected, especially in a vacuum.

Analysis before and after the experiment was made by spectral analysis, affording determination of impurities with a sensitivity -- for copper and silver -- of $5.5 \cdot 10^{-5}$ wt %, and for tin, arsenic, antimony, lead, iron, silicon, and magnesium -- 10^{-4} wt %.

Constitution diagrams of impurity element versus tellurium showed no lines

Card 1/2

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D204/D307

A study of the distribution ...

extraction, f , were made 0.5, 1.0, and 2.0 mm/min, the crucible being revolved at 25 rpm and the extracting wire at 50 rpm in the opposite direction. The metallic rods were zone-crystallized, under O_2 -free, dry N_2 , and the distributions of Ag along the rods were determined after 5 passes, chemically (for $< 10^{-3}\%$ Ag) and by an isotope method (for $\geq 10^{-3}\%$ Ag). L.A. Radushkevich and I.V. Vlasovaya assisted in these determinations. Effective distribution coefficients, k , (defined by $k = C/C_0 (1 - g)^{k-1}$, where C_0 is the initial concentration of Ag and C is that at a distance g from the point at which crystallization front was started) calculated from data obtained by these 2 methods, were in fair agreement. The results are discussed, showing that k decreased with decreasing C_0 , and was lower for higher values of f . The effect of f on k also became greater with decreasing C_0 . In practice, complete purification of Tl from Ag admixtures, by extracting a crystal from the melt and zone-purification, is only effective when C_0 is low, ($\leq 10^{-4}\%$ Ag); the efficiency of the process may be increased by lowering the rate of crystallization, e.g. to 0.5 mm/min. There are 4 figures and 1 table. ✓

SUBMITTED: April 24, 1961

Card 2/2

S/080/62/035/010/004/012
D204/D307

AUTHORS: Vigdorovich, V.N., Darvoyd, T.I., Iordanskaya, N.A.
and Kamayev, Yu.O.

TITLE: A study of the distribution of Ag admixtures in the
crystallization methods of the purification of
thallium

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 10, 1962,
2165-2170

TEXT: The above subject was investigated in continuation
of earlier work concerned with the study of phenomena associated
with the purification of Tl from various metallic admixtures by
crystallization methods, to determine the effectiveness of purifica-
tion in relation to the initial concentration of the impurity and
to the rate of purification, the amounts of Ag being varied between
0.25 and $5 \times 10^{-6}\%$. The Tl crystals were extracted from the melt,
contained in a graphite crucible, under a pressure of 10^{-4} mm Hg,
and were 100 - 200 mm long and 3 - 10 mm in diameter. The rates of

Card 1/2

OSHMARIN, P.G.; MAMAYEV, Yu.L.

New subfamily of trematodes with a closing mechanism of the bursa
isolated from a fish caught in the South China Sea. Zool. zhur.
42 no.5:665-669 '63. (MIRA 16:7)

1. Pacific Research Institute of Marine Fishery and Oceanography,
Far Eastern Branch of the Siberian Department, Academy of Sciences
of the U.S.S.R., Vladivostok.
(South China Sea--Trematoda)
(Parasites--Fishes)

MAMAYEV, Yu.L.; PARUKHIN, A.M.

Infestation of the muscles of Bering Sea rockfish by the larvae of helminths. Soob. DVFAN SSSR no.17:83-85 '63.

(MIRA 17:9)

1. Dal'nevostochnyy filial im. V.L. Komarova Sibirskogo otdeleniya AN SSSR i Tikhookeanskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii.

S

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000023-6

MAMAYEV, YU. L., Cand Biol Sci -- (diss) "Helminthes in Forest and Marsh Birds Of Eastern Siberia." Moscow, 1960, 16 pp, (All-Union Inst of Helminthology im Academician K. I. Skryabin) No price given, (KL, 21-60, 121)

OSHEMARIN, P.G.; ~~MAMAYEV~~, Yu.L.

Morphology and features of the concentration of *Filaroides martis*
in the kolinsky of the Maritime Territory. Soob.DVETAN SSSR no.11:
152-155 '59. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo, otdeleniya
AN SSSR.

(Maritime Territory--Nematoda)

(Minks--Diseases and pests)

NAMAYEV, Yu.L.

New helminths from birds of Eastern Siberia. Trudy Gel'm. lab. 9:
175-187 '59. (MIRA 13:3)

(SIBERIA, EASTERN--WORMS, INTESTINAL AND PARASITIC)
(PARASITES--BIRDS)

MAMAYEV, Yu.I.

Helminths of galinaceous and limicoline birds in Eastern Siberia.
Trudy Gel'm. lab. 9:160-174 '59. (MIRA 13:3)
(SIBERIA, EASTERN--WORMS, INTESTINAL AND PARASITIC)
(PARASITES--GALLINAE) (PARASITES--SHORE BIRDS)

MAMAYEV, Yu.L.; PARUKHIN, A.M.; BAYEVA, O.M.; OSHMARIN, P.G.; KAGANOVSKIY, A.G., prof., doktor biolog.nauk, red.; BROMLEY, G.F., kand.biolog.nauk, red.; BUTOVA, L., tekhn.red.

[Helminth fauna of Far Eastern salmonids in connection with the problem of local stocks and migration routes of these fishes]
Gel'mintofauna dal'nevostochnykh lososevykh v svyazi s voprosom o lokal'nykh stadakh i putiakh migratsii etikh ryb. Vladivostok, Primorskoe knizhnoe izd-vo, 1959. 72 p. (MIRA 13:10)
(Soviet Far East--Worms, Intestinal and parasitic)
(Parasites--Salmon)

GOKHBERG, Ya.A., inzh.; AVIDON, D.A., inzh.; MAMAYEV, Yu.D., inzh.

Efficient design of carrying wire ropes for overhead cableways.
Stal' 25 no.3:281-283 Mr '65. (MIRA 18:4)

1. Volgogradskiy staleprovolochno-kanatnyy zavod.

MAMAYEV, Ye.; PETROV, V.

Planned business accountability and bonuses for the reduction of
production cost. Sots.trud 4 no.5:14-20 My '59.
(MIRA 12:8)

1. Pomoshchnik direktora Uralvagonzavoda po trudu i zarabotnoy platy
(for Mamayev). 2. Nachal'nik otdela truda i zarabotnoy platy
Sverdlovskogo sovnarkhoza (for Petrov).
(Railroads--Cars--Construction) (Bonus system)

MAMAYEV, V.Ye.; YUZVAK, L.A.

Quantitative determination of rutile and anatase by means
of the URS-50I X-ray diffractometer. Sbor.trud. VNIITSVETMET
no.9:174-176 '65. (MIRA 18:11)

MAMAYEV, V.Ye.; PROTASOV, K.T.

Quantitative determination of selenium and arsenic by
means of a two-channel short-wave X-ray spectrometer.
Sbor.trud. VNIITSVETMET no.9:163-166 '65.

(MIRA 18:11)

MAMAYEV, V.Ye.; STROITELEV, I.A.

Zinc sulfides contained in matte. Sbor. trud. VNIITSVETMET
no.9:159-162 '65. (MIRA 18:11)

Determination of niobium, ...

S/081/62/000/012/016/063
B168/B101

determined, then the intensity of the analytical line K_{α} in the sample is determined, a correction is introduced for background and the value of C_i is determined from the calibration curves. The concentration sought is calculated from the formula: $C_x = (\mu_{mi}^x / \mu_{mi}^o) C_i$. Without the introduction

of corrections it is possible to determine Y_2O_3 in the presence of Nb_2O_5 and ZrO_2 up to 30 %, ZrO_2 in the presence of Y_2O_3 and Nb_2O_5 up to 5 % and Nb_2O_5 in the presence of ZrO_2 and Y_2O_3 up to 5 % of each. The mean error for the determination is 6 - 7 %. [Abstracter's note: Complete translation.]

Card 2/2

S/081/62/000/012/016/063
B168/B101

AUTHOR: Mamayev, V. Ye.

TITLE: Determination of niobium, zirconium and yttrium by the X-ray spectrum method by means of an external standard

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 149, abstract 12D50 (Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekh. sb., no. 4 (14), 1961, 76 - 80)

TEXT: External standards intended for the plotting of calibration curves are being made with fillers whose mass coefficient of absorption μ_{mi}^o is selected as equal to the coefficient of the oxide (Nb_2O_5 , ZrO_2 or Y_2O_3) introduced into them. Composition of fillers: (a) 48.7 % SiO_2 + 51.3 % FeS_2 for Nb_2O_5 , (b) 46.4 % SiO_2 + 53.6 % FeS_2 for ZrO_2 , (c) 72.7 % SiO_2 + 27.3 % FeS_2 for Y_2O_3 . Part of the sample is used for determination of its mass coefficient of absorption μ_{mi}^x on the line of the element being

Card 1/2

MAMAYEV, Vladimir Yefimovich

[Monetary wage system in operation] Deneghnaisa oplata v deistvii.
Kirov, Kirovskoe knishnoe izd-vo, 1959. 75 p. (MIRA 14:4)

(Wages)

(Collective farms)

MAMAYEV, V. Ye.

PAULLER, O.F.; MAMAYEV, V.Ye.

Observations on the temperature cycle of the suslik nest as a
method of studying the habitat of fleas. Izv. Irk.gos.protivochnum.
inst. 12:279-286 '54. (MIRA 10:12)

(TRANSBAIKALIA--FLEAS) (ANIMAL HEAT)
(ANIMALS, HABITATIONS OF) (PARASITES--SUSLIKS)

MAMAYEV, V.S., kand.tekhn.nauk, starshiy prepodavatel'

Investigating the wear resistance of ceramic and powder-metal
tool materials. Izv.vys.ucheb.zav.; mashinostr. no.2:95-106
'59. (MIRA 13:3)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
N.Ye. Bauman.

(Metal--Cutting tools)

MAMAYEV, V.S., inzh.

Conditions for efficient use of mineral-ceramic cutting tools.
Vest. mash. 38 no.4:49-51 Ap '58. (MIRA 11:3)
(Metal-cutting tools)

MAMAYEV, V.S., kand. tekhn. nauk, starshiy prepodavatel'

Grinding and lapping ceramic metal-cutting tools. Izv. vys. ucheb.
zav.; mashinostr. no.10:151-157 '58. (MIRA 12:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. N.Ye. Baumana
(MVTU).

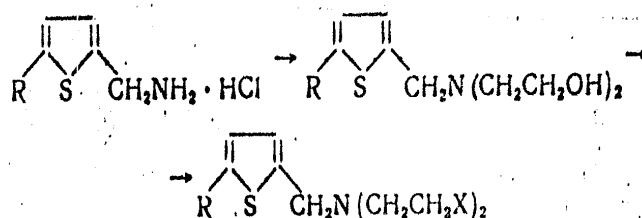
(Metal-cutting tools) (Grinding and polishing)

~~NAMAYEV~~ V. S. Tazhenov.

Grinding and lapping mineral-ceramic tool bits. Mashinostroitel'
no. 7:25-28 J1 '57. (MLEA 10:8)
(Cutting tools) (Grinding and polishing) (Cermets)

MAMAYEV, V. S. Cand Tech Sci -- (diss) "Determining the ^{tion of} ~~the~~ ^{of operation of} Optimum
~~Operating~~ Conditions ~~for~~ Mineral-Ceramic Cutting Tools." Mos, 1957.
11 pp 20 cm. (Min of ~~MINRES~~ Higher Education USSR, Mos Order of
Lenin and Order of Labor Red Banner Higher Technical School im
Bauman), 100 copies (KL, 25-57, 113)

ACC NR: AP6033820



- | | |
|---|--|
| I. R=H; | IV. R=H; X=Cl; |
| II. R=CH ₃ ; | V. R=CH ₃ ; X=Cl; |
| III. R=(CH ₂) ₃ COOC ₂ H ₅ ; | VI. R=(CH ₂) ₃ COOH; X=Cl; |
| | VII. R=H; X=Br; |
| | VIII. R=CH ₃ ; X=Br; |
| | IX. R=(CH ₂) ₃ COOC ₂ H ₅ ; X=Cl. |

The reactions take place in an alcohol or chloroform solution with boiling. Biological activity of I-IX was studied on *Aspergillus niger* at the Institute of Cytology and Genetics of the Siberian Branch of the Academy of Sciences USSR. They all showed significant mutagenic activities. [W.A. 50]

SUB CODE: 07,06/SUBM DATE: 27Sep65/ ORIG REF: 008/ OTH REF: 006

Card 2/2

ACC NR: AP6033820

SOURCE CODE: UR/0289/66/000/002/0105/0108

AUTHOR: Shishkin, G. V.; Mamayev, V. P.

ORG: Novosibirsk Institute of Organic Chemistry, Siberian Department,
AN SSSR (Novosibirskiy institut organicheskoy khimii Sibirskogo otdele-
niya AN SSSR)

TITLE: Synthesis of N,N-di-(β -haloethyl)aminomethylthiophenes

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya khimi-
cheskikh nauk, no. 2, 1966, 105-108

TOPIC TAGS: mutagenics, halogenated aminomethylthiophene, chloroethyl-
aminomethylthiophene, bromethylaminoethylthiophene, *halogenated organic*
compound, biologic mutation, ethylene oxide

ABSTRACT: The N,N-di(β -haloethyl)aminomethylthiophenes (I—IX) were
obtained in 80—90% yield from ethylene oxide and the corresponding
hydrochlorides of 2-aminomethylthiophenes via N,N-di(β -hydroxyethyl)-
amines:

Card 1/2

UDC: 547.732

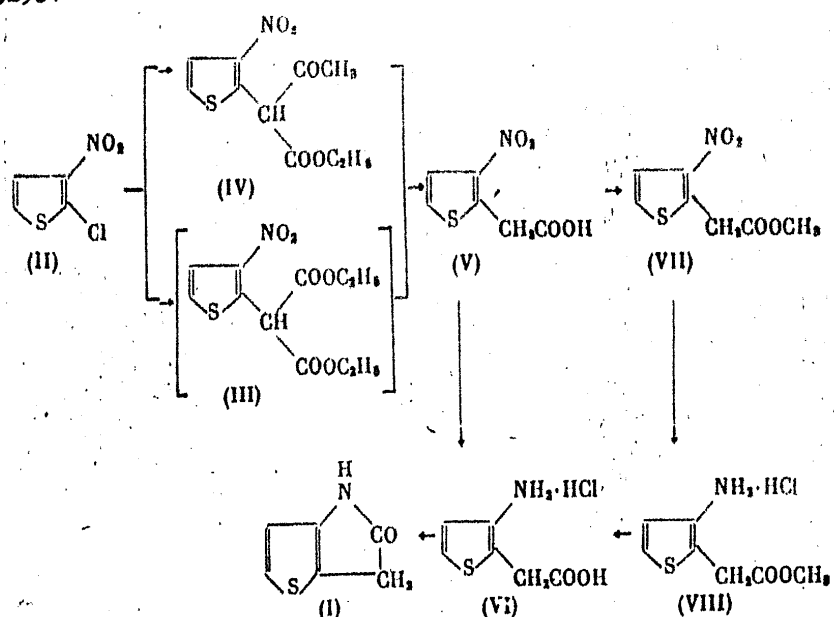
ACC NR: AP6032904

hydrolysis of the condensation products yielded 3-nitrothienyl-2 acetic acid.
Orig. art. has: 2 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 18Apr64/ ORIG REF: 003/ OTH REF: 008

Card 3/3

ACC NR: AP6032904



The boiling range of (I) is 142-149°. The 3-aminothienyl-2-acetic acid obtained cyclizes with much more difficulty than o-aminophenylacetic acid. Condensation of 2-chloro-3-nitrothiophene with sodium malonate and sodium acetoacetate followed by

Card 2/3

ACC NR: AP6032904

SOURCE CODE: UR/0062/66/000/009/1607/1613

AUTHOR: Mamayev, V. P.; Lyubimova, Ye. N.

ORG: Novosibirsk Institute of Organic Chemistry, Siberian Branch, Academy of Sciences, SSSR (Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Synthesis of 5,6-dihydrothieno[3,2-b]pyrrol-5-one

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1607-1613

TOPIC TAGS: organic sulfur compound, organic nitrogen compound, acetic acid

ABSTRACT: 5,6-Dihydrothieno[3,2-b]pyrrol-5-one (I), a sulfur-containing isostere of oxindole, was synthesized from 2-chloro-3-nitrothiophene (II):

Card 1/3

UDC: 542.91+547.74/75+661.719

MOLIN, Yu.N.; LESHINA, T.V.; MAMAYEV, V.P.

Correlation of proton chemical shift with Taft's induction σ -constants.
Dokl. AN SSSR 163 no.2:402-405 J1 '65. (MIRA 18:7)

1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN
SSSR i Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya
AN SSSR. Submitted December 23, 1964.

SHKURKO, O.P.; MAMAYEV, V.P., kand.khim.nauk

Synthesis of 3- and 5-nitro derivatives of 2-substituted
thionaphthenes. Izv. CO AN SSSR no. 7 Ser. khim.nauk
no. 2381-84 '65. (MIRA 19:12)

I. Novosibirskiy Institut organicheskoy khimii i fizicheskoy
otdeleniya AN SSSR. Submitted May 21, 1961.

MIKHALEVA, M.A.; NAMAYEV, V.P.

Synthesis of H-substituted α -amino- β -alanines and some of their derivatives. Zhur,org.khim. 1 no.3:475-480 Nr '65.

(MIRA 18:4)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

MAMAYEV, V.P.; IGNAT'YEV, V.M.

Reaction of benzaldehyde and urea with β -naphtol. Izv. AN SSSR.
Ser. khim. no.6:1107-1108 '65. (MIRA 18:6)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya
AN SSSR.

SHISHKIN, G.V.; MAMAYEV, V.P.

Synthesis of β -(pentafluorophenyl) alanine. Izv. AN SSSR. Ser. khim.
no.5:934 '65. (MIRA 18:5)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya
AN SSSR.

MIKHALEVA, M.A.; MAMAYEV, V.P.

Using azidomethylation reaction for the synthesis of
 α -aryloxy- β -alanines. Zhur. ob. khim. 34 no. 7: 2153-2157
JI '64 (MIRA 17:8)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

RODINA, O.A.; MAMAYEV, V.P.

Amino acids of the indole series. Part 2: β -Amino- γ -
(β -indolyl)butyric acid. Zhur. ob. khim. 34 no. 7: 2146-
2153 JI '64 (MIRA 17:8)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

SEDOVA, V.F.; MAMAYEV, V.P.

Synthesis of arylideneureas. Izv. AN SSSR. Ser. khim. no.10:
1892-1893 O '64. (MIRA 17:12)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

MAMAYEV, V.P.; RODINA, O.A.

Amino acids of the indole series. Part 3: -amino- -(3-indolyl)
butyric acid. Izv. SO AN SSSR no.11 Ser.khim.nauk no.3:97-102 '63.
(MIRA 17:3)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleni-
ya AN SSSR.

MAMAYEV, V.P.; MIKHALEVA, M.A.

Synthesis of α -aryloxy- β -alanines. Izv. Sib. otd. AN SSSR no. 11:
145-148 '62. (MIRA 17:9)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya
AN SSSR.

MAMAYEV, V.P.; RODINA, O.A.

Amino acids of the indole series; synthesis of
 γ -amino- β -(3-indolyl)-butyric acid. Izv. Sib. otd. AN SSSR
no.8:72-75 '62. (MIRA 17:8)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

MAMAYEV, V.P.; SHKURKO, O.P.

β -Amino acids of the thionaphthene series. Zhur.ob.khim. 31
no.10:3288-3291 0 '61. (MIRA 14:10)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.
(Benzothiophene) (Amino acids)

SANDAKHCHIYEV, L.A.; MAMAYEV, V.P.

Dihydrouracils. Izv. Sib. otd. AN SSSR no.7:72-76 '61.(MIRA 14:8)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

(Hydrouracil)

MAMAYEV, V.P.; SANDAKHCHIYEV, L.S.

Synthesis of β -tryptophan. Zhur.VKHO 6 no.3:350-352 '61.
(MIRA 14:6)

1. Novosibirskiy institut organicheskoy khimii.
(Tryptophan)

KNORRE, D.G.; KUKUSHKINA, G.V.; MAMAYEV, V.P.

Kinetics of the hydrolysis of alanylglycylglycine methyl ester in
aqueous solution. *Kin.i kat.* 1 no.2:197-202 *Jl-Ag* '60.
(MIRA 13:8)

1. Institut khimicheskoy fiziki Akademii nauk SSSR.
(Glycine) (Hydrolysis)

On the 1-Alkyl-3-methyl-5-pyrazolones

SOV/79-29-8-68/81

obtained alkylmethylpyrazolones, namely the 1-hexyl- and 1-octyl-3-methyl-5-pyrazolones, were confirmed by cyclization from the corresponding alkylhydrazines and acetoacetic ester. There are 1 table and 6 references, 1 of which is Soviet.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut imeni D. I. Mendeleyeva (Moscow Chemotechnological Institute imeni D. I. Mendeleev)

SUBMITTED: June 18, 1958

Card 3/3

On the 1-Alkyl-3-methyl-5-pyrazolones

SOV/79-29-8-68/81

In the reaction of the 3-methyl-5-pyrazolone with the alkyl bromides C_5-C_9 the reaction need not take place in sealed containers since the boiling temperature of the lowest-boiling components is high enough. This alkylation usually took place by means of a heating of the reaction mixture for some hours in a flask with a return-flow cooler. The further treatment of the reaction mixture was also simplified (experimental part). The 1-alkyl-3-methyl-5-pyrazolone yields depend greatly on reaction conditions. The effect of the reaction temperature upon the hexylmethylpyrazolone yield with a heating over 48 hours led to the following yields: at 125° - 10.2%, at 135° - 30%, at 140° - 65%. By a further temperature rise the amounts of high-boiling products are increased. The effect of the reaction time upon the hexylmethylpyrazolone yield at 140° leads to the following results: at 16 h - 38.5%, at 25 h - 43%, at 38 h - 52%, at 48 h - 65%. Heating for more than 48 hours no longer affects the yield. Furthermore the alkylmethylpyrazolones with alkyls from C_4H_9 to C_9H_{19} (Table) were synthesized. The structures of two of the

Card 2/3

5(3)

AUTHOR:

Mamayev, V. P.

SOV/79-29-8-68/81

TITLE:

On the 1-Alkyl-3-methyl-5-pyrazolones

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2747-2750 (USSR)

ABSTRACT:

The derivatives of the 1-aryl-3-methyl-5-pyrazolones are frequently used in the dyestuff industry. The synthesis method recently described in publications of patents of the 1-alkyl-3-methyl-5-pyrazolones, which play an important role in the azo in the azo dyestuff industry the alkyl of which = $C_4H_9-C_8H_{17}$ (Ref 1)(Scheme), is highly complicated in spite of the simplicity of the substances themselves. At the same time, its results are far from satisfactory (Refs 2, 3). On the other hand it is known that the 1-alkyl-3-methyl-5-pyrazolones with low-molecular alkyls $CH_3-C_4H_9$ were obtained by direct alkylation in sealed tubes of the 3-methyl-5-pyrazolone by the effect of alkyl bromides (Refs 4, 5). The authors expected that by the alkylation of the 3-methyl-5-pyrazolone with high-molecular, rather than low-molecular, alkyl halonides higher yields and a simplification of the separation of the products obtained might be brought about which would render the 1-alkyl-3-methyl-5-pyrazolones easily accessible products.

Card 1/3

SUVOROV, N.N.; MAMAYEV, V.P.; RODIONOV, V.M. [deceased]

Synthesis of indole derivatives from arylhydrazones (E. Fisher's
reaction). Reakt.org.sosd. 9 :7-154 '59. (MIRA:13'6)
(Indole) (Hydrazones)

Reactions and Investigations (Cont.)

SOV/3950

Skatole (2-methyl-indole)	
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Card 3/6

Reactions and Investigations (Cont.)

SOV/3950

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Card 2/6

MAMAYEV V. P.

PHASE I BOOK EXPLOITATION

SOV/3950

Reaktsii i metody issledovaniya organicheskikh soyedineniy, kn. 9 (Reactions and Investigation Methods of Organic Compounds, Bk. 9) Moscow, Goskhimizdat, 1959. 381 p. Errata slip inserted. 4,000 copies printed.

Eds. (Title page): V.M. Rodionov, Academician (Deceased), B.A. Kazanskiy, Academician, I.L. Knunyants, Academician, M.M. Shemyakin, N.N. Mel'nikov, Professor; Eds. (Inside book): V.P. Yevdakov and V.P. Parini; Tech. Ed.: V.F. Zazul'skaya.

PURPOSE: This book is intended for industrial chemists, aspirants, teachers, and students of higher educational institutions interested in methods of synthesizing organic compounds.

COVERAGE: The collection contains 3 monographic survey articles which review some of the more interesting and important problems in the synthesis of indole derivatives and oxazolones (azlactones) and the bromination of organic compounds with N-bromosuccinimide. Figures, tables, and references accompany each article. No personalities are mentioned.

Card 1/6

ILLEGIBLE

ILLEGIBLE

About Certain Beta-Amino-Acids of the Thiophene Series. 79-2-41/58

ASSOCIATION: Moscow Chemical-Technological Institute imeni D. I. Mendeleyev

PRESENTED BY:

SUBMITTED: April 2, 1956

AVAILABLE: Library of Congress

Card 2/2

AUTHORS: Mamayev, V. P. and Rubina, T. D.

79-2-41/58

TITLE: About Certain Beta-Amino Acids of the Thiophene Series (O nekotorykh beta aminokislotakh ryada tiofena)

PERIODICAL: Zhurnal Obshchey Khimii, 1957, vol 27, No 2, pp. 464-466 (U.S.S.R.)

ABSTRACT: Employing the V. M. Rodionov method, the authors synthesized beta-(3-thienyl)-beta-aminopropionic and beta-(2-ethyl-5-thienyl)-beta-aminopropionic acids respectively from beta-thiophenalddehyde and 2-ethyl-5-thiophenalddehyde. In addition to the beta-amino acids, the authors obtained beta-(3-thienyl)-acrylic and beta-(2-ethyl-5-thienyl)-acrylic acids. Maximum yields of beta-amino acid were obtained during the reaction of aldehydes with amlonic acid in the presence of ammonium acetate. The formation of beta-amino acids from beta-thiophenalddehyde was considerably easier than from alpha-thiophenalddehyde. It was proven that the Rodinov method can be used for the derivation of beta-amino acids of the thiophene series.

Card 1/2 There are 7 references, of which 3 are Slavic.

ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

MAMAYEV V. P.

USSR/ Chemistry

Card 1/1 Pub. 22 ~ 20/51

Authors : Mamayev, V. P.; Suvorov, N. N.; and Rokhlin, E. M.

Title : ~~XXXXXXXXXXXX~~
Synthesis of beta-(2-thienyl)-beta-alanine and some of its derivatives

Periodical : Dok. AN SSSR 101/2, 269-271, Mar 11, 1955

Abstract : The synthesis of beta-(2-thienyl)-beta-alanine from thiophene-2-aldehyde is described. The method of obtaining these compounds and their derivatives is based on the reaction of homologous aldehydes with malonic acid in the presence of spirits of ammonia. Nine references: 4 USSR, 4 USA and 1 German (1912-1953).

Institution : The D. I. Mendeleev Chemical Technological Institute, Moscow

Presented by : Academician I. M. Nazarov, September 24, 1954

MAMAYEV, V. P.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 22 - 27/51

Authors : Suvorov, N. N.; Mamayev, V. P.; and Shagalov, L. B.

Title : Synthesis of 5-alkoxy- and 5-aryloxy-gamma-3-indolylbutyric acids

Periodical : Dok. AN SSSR 101/1, 103-106, Mar 1, 1955

Abstract : The synthesis of alkoxy and aryloxy-indolylbutyric acids with the aid of the E. Fischer reaction is described. The synthesis of the acids was realized in the presence of anhydrous phosphoric acid in alcohol solutions at the boiling point of the latter. The stimulating effect of the acids was tested on various vegetable plants with good results. Eight references: 3 USSR, 1 French, 3 USA and 1 German (1886-1954).

Institution : The D. I. Mendeleev Chem. Tech. Institute Moscow

Presented by : Academician I. N. Mazarov, September 27, 1954

ILLEGIBLE

Zhur Obshch Khim, Vol 23, No 7, pp 1206-1209

Synthesized the following: α -(4-chlorophenoxy)-phenylacetic acid, α -(2,4-dichlorophenoxy)-phenylacetic acid, α -(2,5-dichlorophenoxy)-phenylacetic acid, γ -(4-chlorophenoxy)-crotonic acid, γ -(2,4-dichlorophenoxy)-crotonic acid, γ -(2,5-dichlorophenoxy)-crotonic acid, and 2,4-dichlorophenoxyacetone.

272119

MAMAYEV, V. P. and VOROZHTSOV, N. N. Jr.,

Preparation of Acetyl- p -Benzoquinone and Some of its Derivatives, page 533, Sbornik statey po obshchey khimii (Collection of Papers on General Chemistry), Vol I, Moscow-Leningrad, 1953, pages 762-766.

Moscow Chemico-Technological Inst imeni D. I. Mendelayev

MANAYEV, V.P.

Reaction of toluquinone with sulfuric chloride. N. N. Gorobitsov and V. P. Manayev (D. I. Mendeleev Chem. Technol. Inst., Moscow). *Sovetsk. Khim. Obshch. Khim.*, 1948, No. 5, S.S.R. 1, 638-40 (1948).—Oxidation of α - $\text{C}_6\text{H}_4\text{NH}_2$ with $\text{Na}_2\text{Cr}_2\text{O}_7\text{-H}_2\text{SO}_4$ gave toluquinone (I), m. $77-8^\circ$. Reducing 0.1 g. I with 50 ml. C_6H_6 and 0.7 g. SnCl_4 gave a dark ppt. (1.15 g.) and a red soln. The ppt. was washed with SO_2 and the aq. soln. allowed to stand overnight, then extd. with Et_2O and the ppt. dried, gave 5-chloro-1-methyl-1,4-benzoquinone (II), m. $104.3-5.5^\circ$ (from dil. EtOH). This (1 g.) in Et_2O treated with SO_2 and the aq. soln. allowed to stand overnight, then extd. with Et_2O and the ppt. dried, gave 5-chloro-1-methylhydroquinone, m. $178-4^\circ$. The same was found to be the principal constituent of the dark ppt. formed in the original reaction (above) an crystals, m. $122-3^\circ$, which is apparently a quinhydrone-type complex of the quinone and the hydroquinone. Since treatment of this with SO_2 gave the hydroquinone deriv., m. $172-4^\circ$. When 4.0 g. I in C_6H_6 was refluxed 8 hrs. with 5.3 g. SO_2Cl_2 and 0.01 g. Et_2O , there was obtained 1.06 g. quinhydrone deriv. and 3 g. II. Thus the SnCl_4 added merely changed the rate of the reaction but not its course.

G. M. Kosolapoff

MAMAYEV, V.P.

Preparation of acetyl-p-benzoquinone and some of its derivatives. N. M. Vorozhtsov and V. P. Mamayev (U.S.S.R. Mendeleev Chem. Technol. Inst., Moscow). *Sbornik State Obshch. Khim. Akad. Nauk S.S.S.R.* 1, 513-7 (1963).—Shaking 0.3 g. 2,5-(HO)₂C₆H₃Ac and 0.6 g. dry Ag₂O in dry CCl₄ 0.5 hr., sepg. the liquid and shaking the solid with fresh CCl₄ 0.5 hr. gave on evapn. of the combined solns. 94.8% red-orange 2-acetyl-1,4-benzoquinone (I), m. 65.5-7.5° (crude); after sublimation, lt. m. 67.5-8.5°. The product slowly decoup. This (0.1 g.) in 10 ml. 1:1 MeOH was treated with SO₂ and allowed to stand 24 hrs.; blowing with CO₂ and evapn., followed by extr. with EtO gave the original 2,5-(HO)₂C₆H₃Ac, m. 189-201°. I (0.18 g.) in 1.2 ml. EtOH treated with 0.3 g. PhNH₂ in EtOH gave a red soln. with heat evolution; after 24 hrs. there was collected 0.07 g. 183 needles of 2-acetyl-3,6-dianilino-1,4-benzoquinone, m. 189.5-90° (from petr. ether). I treated with 2,4-dinitrophenylhydrazine in dil. HCl gave a good yield of 2,2-dinitro-3'-acetyl-4'-hydroxy-machinene, orange-red, m. 240-1.5° (from dil. EtOH-Me₂CO). I (1 g.) added to 3 ml. Ac₂O and 3 drops H₂SO₄, with cooling, gave 1.55 g. 2,3,6-(AcO)₃C₆H₃Ac, m. 93-5° (from dil. EtOH) which gave no color with FeCl₃; the above product is a monohydrate; anhydrous form, m. 94-5°. Hydrolysis of this with MeOH-H₂SO₄, 2 hrs. at reflux gave a product with 2 HO groups which was probably 2,3,4-HO₃C₆H₃Ac, m. 157° (from CCl₄-petr. ether), which gave a green-brown color with FeCl₃ and yielded a di-H₂ deriv. m. 175-0.5° (from ROH), which gave no color with FeCl₃. Cf. Mauthner, *Chem. Ber.* 27, 2435; Reigordski, et al., *Chem. Ber.* 4, 2817.

G. M. Kosolantoff

MAMAYEV, V.P.

Chem Abs

V, 48 25 Jan 54

Organic Chem

✓ Gentisic acid (2,5-dihydroxybenzoic acid). V. M. Rodionov and V. P. Mamayev. *Acad. Nauk S.S.S.R., Inst. Org. Khim., Siniy Org. Soedinenii, Sbornik* 2, 61-2 (1952); cf. C.A. 35, 5101¹.—A powd. mixt. of 15 g. hydroquinone and 50 g. anhyd. K_2CO_3 is dried 1 hr. in a simple autoclave at 140°. Then the app. is pressurized with CO_2 to 17 atm. and heated 1 hr. at 210°, when the pressure declines. CO_2 is readmitted to maintain pressure at 18 atm. After cooling and soln. in H_2O , the filtrate is acidified with HCl and extd. with Et_2O . Evapd. ext. yields 71% gentisic acid, m. 201-1.5° (from H_2O). G. M. Kosolapoff

MF
1-27-545
②
chem

MAMAYEV, V.P.

Cand. Chemical Sci.

"Investigation in the Field of Acyl-Para-Quinones." Sub 9 May 51,
Moscow Order of Lenin Chemicotechnological Institute D. I. Mendeleev.

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

ACC NR: AP7003009

the measuring unit is connected alternately to the outputs of the two doublers. To measure the difference in signals from the reference and investigated samples, the measuring unit contains a calibrated divider regulating the signal amplitude from the reference. The recorder is connected between the outputs of two phase detectors tuned to the signals of the reference and investigated samples.

SUB CODE: 20/ SUBM DATE: 26May64

Card 2/2

ACC NR: AP7003009

SOURCE CODE: UR/0413/66/000/024/0157/0157

INVENTOR: Mamayev, V. M.

ORG: none

TITLE: Nuclear magnetic resonance spectrometer. Class 42, No. 170194

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 157

TOPIC TAGS: nuclear magnetic resonance, rf spectrometer

ABSTRACT: This Author Certificate presents a nuclear magnetic resonance spectrometer consisting of a polarizing magnet, a detector with a double-section coil in which the investigated and reference samples are placed, separate systems of local modulation coils, a modulation unit, a unit for automatic tuning to the output signal maximum, a measuring unit, and a recorder. To broaden the range toward smaller concentrations of the investigated nuclei, the modulation unit contains two ac oscillators with differing modulation frequencies and a doubler of one of the frequencies. The phase detector of the measuring unit is connected to the output of the frequency doubler, and the phase detector of the autotuning unit is connected to the output of the oscillator at the other frequency. To provide for the possibility of comparing the concentration of the investigated nuclei in the sample and reference, the modulation unit contains two modulation frequency doublers. The phase detector of

Card 1/2

UDC: 620.1

ENCLOSURE 01

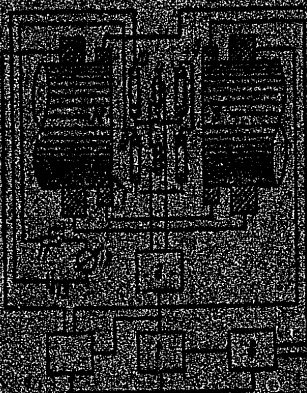


Fig. 1.

1 - antenna; 2 - detector; 3 - audio section of coil;
4 - common modulation coil; 5 - modulation unit;
6 - power unit; 7 - meter; 8 and 10 - push button;
9 - control regulator; 12 - monitoring device; 13 - dc source

1. NAME: [REDACTED] 2. TYPE: [REDACTED] 3. DATE: [REDACTED]

06/02/86/65/000/012/0098/0099

4. LOCATION: [REDACTED]

5. COMMENTS: [REDACTED]

6. ANALYST: [REDACTED] 7. INSTRUMENT: [REDACTED] 8. CLASS: [REDACTED] 9. NO.: [REDACTED]

10. DATE: [REDACTED] 11. TIME: [REDACTED] 12. LOCATION: [REDACTED]

13. ANALYST: [REDACTED] 14. INSTRUMENT: [REDACTED] 15. CLASS: [REDACTED] 16. NO.: [REDACTED]

The instrument presents a nuclear magnetic resonance spectrum in the form of a signal maximum. The spectrometer contains a magnet with a double-section coil into which are placed a sample of the substance to be examined, a modulation unit, a measuring unit, and a control unit. To measure continuously the signal of the substance, the spectrometer contains a system of shift coils which are connected through a control relay to a measuring device to a dc source, Crig, and has a diagram.

17. NAME: [REDACTED] 18. TYPE: [REDACTED] 19. DATE: [REDACTED]

ENGINE: 01

SUB CODE: 1P

20. NAME: [REDACTED] 21. TYPE: [REDACTED] 22. DATE: [REDACTED]

OTHER: 000

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000023-6

ADJUTANT GENERAL

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SUB CODES

ADJUTANT

[illegible]

RADCHENKO, Arkadiy Nikolayevich; MAMAYEV, V.M., red.

[Examples of increased reliability of discrete systems using intrasystem coding of the states; self-control, self-regulation, and self-repair] Primery povysheniia nadezhnosti diskretnykh skhem metodom vnutriskhemnogo kodirovaniia sostoianii; samokontrol', samokorreksiia i samoremont. Leningrad, 1964. 22 p. (MIRA 17:9)